

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\  
 Data File : BF107509.D  
 Acq On : 19 Jul 2018 11:34  
 Operator : JU/SJ  
 Sample : J4016-17DL 10X  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB4-L-12-7DL

Manual Integrations  
 APPROVED

Sohil  
 7/19/2018 2:23:26 PM

Quant Time: Jul 19 13:46:58 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 18 11:55:34 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.98  | 152  | 122326   | 20.00  | ng    | 0.00       |
| 21) Naphthalene-d8          | 8.27  | 136  | 467830   | 20.00  | ng    | 0.00       |
| 38) Acenaphthene-d10        | 10.02 | 164  | 252153   | 20.00  | ng    | 0.00       |
| 63) Phenanthrene-d10        | 11.52 | 188  | 470621   | 20.00  | ng    | 0.00       |
| 75) Chrysene-d12            | 14.17 | 240  | 311909   | 20.00  | ng    | -0.01      |
| 86) Perylene-d12            | 15.71 | 264  | 322284   | 20.00  | ng    | 0.00       |
| System Monitoring Compounds |       |      |          |        |       |            |
| 5) 2-Fluorophenol           | 5.60  | 112  | 61915    | 7.69   | ng    | -0.02      |
| 7) Phenol-d6                | 6.60  | 99   | 83713    | 8.04   | ng    | -0.02      |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 52734    | 6.01   | ng    | -0.02      |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 19018    | 8.58   | ng    | -0.02      |
| 44) 2-Fluorobiphenyl        | 0.00  | 172  | 0d       | 0.00   | ng    |            |
| 78) Terphenyl-d14           | 13.10 | 244  | 105264   | 8.39   | ng    | -0.01      |
| Target Compounds            |       |      |          |        |       |            |
| 31) Naphthalene             | 8.28  | 128  | 126081   | 5.548  | ng    | Qvalue 100 |
| 37) 2-Methylnaphthalene     | 8.98  | 142  | 48620    | 3.246  | ng    | # 83       |
| 51) Acenaphthene            | 10.06 | 154  | 87964    | 5.522  | ng    | 96         |
| 54) Dibenzofuran            | 10.23 | 168  | 86478    | 3.513  | ng    | 94         |
| 57) Fluorene                | 10.57 | 166  | 121219   | 7.435  | ng    | 93         |
| 70) Phenanthrene            | 11.55 | 178  | 1284997  | 54.789 | ng    | 97         |
| 71) Anthracene              | 11.60 | 178  | 205810   | 8.810  | ng    | 99         |
| 72) Carbazole               | 11.75 | 167  | 50048    | 2.263  | ng    | # 90       |
| 74) Fluoranthene            | 12.74 | 202  | 908509   | 34.081 | ng    | 91         |
| 77) Pyrene                  | 12.97 | 202  | 956781   | 45.109 | ng    | 99         |
| 80) Benzo(a)anthracene      | 14.15 | 228  | 370969   | 19.438 | ng    | 97         |
| 82) Chrysene                | 14.19 | 228  | 368209   | 20.198 | ng    | 99         |
| 85) Indeno(1,2,3-cd)pyrene  | 17.27 | 276  | 117366   | 9.044  | ng    | # 87       |
| 87) Benzo(b)fluoranthene    | 15.25 | 252  | 318241m  | 16.870 | ng    |            |
| 88) Benzo(k)fluoranthene    | 15.27 | 252  | 80489m   | 4.372  | ng    |            |
| 89) Benzo(a)pyrene          | 15.64 | 252  | 216819m  | 12.523 | ng    |            |
| 91) Benzo(a,h,i)perylene    | 17.75 | 276  | 114014   | 8.587  | ng    | # 91       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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